

King County DNRP Water Quality Index

STATION

S478

WATER YEAR

2008

GAUGE #

30C

Little Bear Creek above tributary 0083, Snohomish Coun

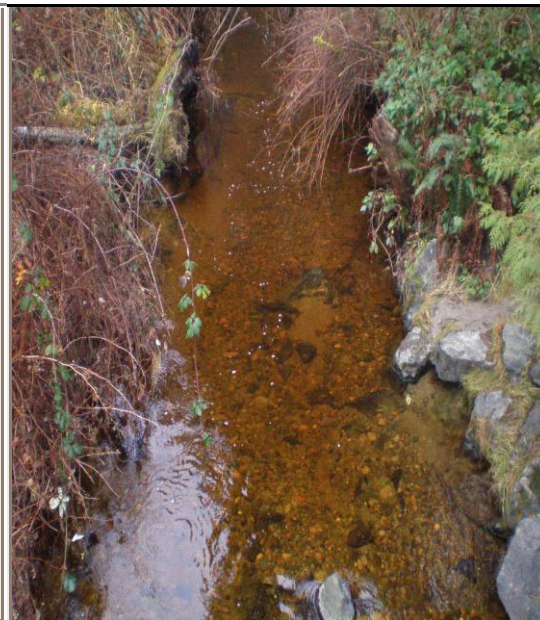
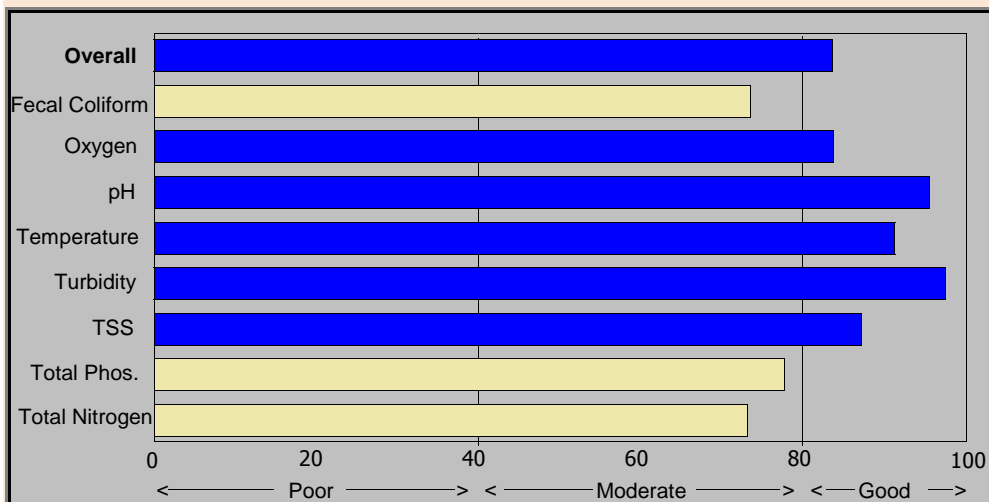
Overall Index

84

King County has monitored water quality in Little Bear Creek at two stations. In 2002, King County collected began collecting water quality samples from station S478 at Snohomish 520 Bridge. Sampling was discontinued in 2008 when budget cutbacks reduced the breadth of King County's water quality monitoring program. Little Bear Creek flows 7.7 miles from Snohomish County to the Sammamish River near Woodinville. The basin encompasses 10,000 acres. The basin remains roughly 40 percent forested, with a current total impervious area of about 37 percent. Little Bear Creek is on the 2012 Washington Department of Ecology's 303(d) list for violation of dissolved oxygen standards. Coho, sockeye, and kokanee salmon have been consistently observed in the creek.

Annual Water Quality Index Scores

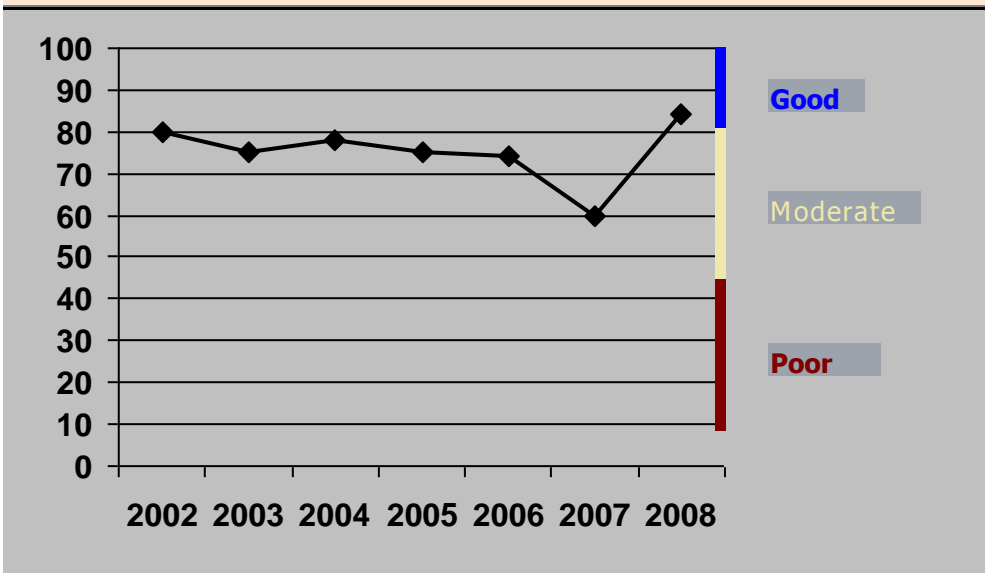
Water quality was GOOD based on data collected 10/1/2007 to 9/30/2008.



Monthly Scores For Water Year 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
93	92	94	93	89	74	93	91	95	89	94	95

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>